

**COMPUTER SYSTEM AND PRINTED CIRCUIT BOARD MANUFACTURED
IN ACCORDANCE WITH A QUASI-MONTE CARLO SIMULATION TECHNIQUE
FOR MULTI-DIMENSIONAL SPACES**

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Abstract

A computer system includes a printed circuit board manufactured in
accordance with simulated trace impedances and topologies. The printed circuit
board includes trace impedances characterizing at least three dimensions of a
10 multi-dimensional space of the printed circuit board. The printed circuit board
design includes trace impedances and topologies obtained with the use of a
quasi-Monte Carlo simulation methodology.

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